

**REMARKS**

In the accompanying *Substitute Specification*, four sections of the original application have been amended but only in minor respects. Specifically, the CROSS-REFERENCE TO RELATED APPLICATIONS section has been updated to identify all of the prior applications that are related to the present application. Other minor revisions have also been made to this section to improve clarity. The BACKGROUND, BRIEF DESCRIPTION OF THE DRAWINGS and the DETAILED DESCRIPTION sections have also been amended in minor respects to improve clarity or to correct minor typographical or grammatical errors. Approval of the revisions contained within the *Substitute Specification* is therefore respectfully requested.

In this *Preliminary Amendment*, claims 1-2 have been canceled without disclaimer or prejudice, and claims 3-53 added. The new claims cover subject matter disclosed in the original application as filed. Applicant has also amended the TITLE and the SUMMARY OF THE INVENTION and ABSTRACT OF THE DISCLOSURE sections of the application so that they comport with the claims.

**I. New Claims 3-53 Based On Subject Matter Previously Disclosed in Present and Earlier-Filed Applications**

The claims in this *Preliminary Amendment* add no new matter to the present application. The revisions made herein have support in

both the present application and the string of earlier-filed applications on which it is based.

Applicant respectfully points out that the subject matter recited in claims 3-53 is described and illustrated in the present application as originally filed. Support for the claimed subject matter can generally be found in Figure 5 and in the original text between page 8, line 19, and page 10, line 27. For example, support for the overlapping of the first and second coils in the claims can be found on page 5, lines 19-26 (see also page 7, lines 5-16). Similarly, support for the interface subsystem, its function and its various components recited in the claims can be found on page 8, line 19, through page 9, line 24, and in Figure 5. As to the switches and their operation within the interface subsystem, support can be found on page 10, lines 21-27, and even more so in Figure 5.

Applicant also points out that the same subject matter was also described and illustrated in the parent application, i.e., U.S. Application 10/151,491, filed May 20, 2002, whose claims were recently allowed. The claimed subject matter also has support in three earlier applications on which both the present and parent applications are based, namely, U.S. Application 09/776,132, filed February 2, 2001, now U.S. Patent 6,396,273, granted May 28, 2002; U.S. Application Serial No. 09/512,093, filed February 24, 2000, now

abandoned; and U.S. Application Serial No. 08/979,842, filed November 26, 1997, which issued as U.S. Patent 6,040,697 on March 21, 2000.

Based on the foregoing, Applicant respectfully requests examination of new claims 3-53.

### CONCLUSION

This *Preliminary Amendment* is accompanied by a *Substitute Specification* for the application for patent filed herewith. Clean and marked-up copies of the *Substitute Specification* are provided as required by 37 C.F.R. §1.125. No new matter has been added to the application by virtue of the changes proposed in either the *Substitute Specification* or this *Preliminary Amendment*.

In this *Preliminary Amendment* whose revisions are to be applied to the clean copy of the *Substitute Specification*, claims 1-2 have been canceled and claims 3-53 added. The TITLE and the SUMMARY OF THE INVENTION and ABSTRACT OF THE DISCLOSURE sections of the application have been also been amended so that they comport with the invention as claimed. The added claims cover subject matter disclosed in the text of the present application as filed herewith and in the earlier-filed applications on which it is based. Upon entry of this *Preliminary Amendment*, the present application will contain fifty-one (51) claims: six (6) independent claims and forty-five (45) dependent claims.

*Preliminary Amendment*

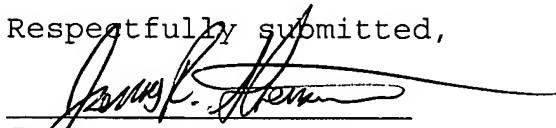
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If the Examiner has any questions regarding the *Substitute Specification* or this *Preliminary Amendment*, he is invited to call the undersigned at the telephone number listed below.

Respectfully submitted,

  
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